



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/653,633	09/01/2000	Theodore J. Krawiec	CITI0181	5377

27510 7590 12/04/2003

KILPATRICK STOCKTON LLP
607 14TH STREET, N.W.
SUITE 900
WASHINGTON, DC 20005

EXAMINER

LEZAK, ARRIENNE M

ART UNIT	PAPER NUMBER
----------	--------------

2143

DATE MAILED: 12/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/653,633

Applicant(s)

KRAWIEC ET AL.

Examiner

Arrienne M. Lezak

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-38 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-38 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 September 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). ____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4. 6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-6, 18-20, 21-23, and 35-38 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent 5,933,816 to Zeanah.

2. Regarding Claims 1, 18 and 35, Zeanah discloses a method for providing worldwide web content, (Abstract), centralized management, (Fig.1), and local and remote administration for a self-service transaction terminal, (Abstract), comprising:

Receiving a request for a startup of at least one transaction terminal process by a process controller of the transaction terminal selected from a group of transaction terminal processes, (Col. 6, lines 39 and 40; Col. 9, lines 37-39) consisting of:

A system monitor, (Col. 10, lines 20-34); an audio application, (Col. 9, line 16); a screen reader application, (Col. 9, line 12); a session manager, (Col. 18, lines 40-43); a device manager, (Col. 8, lines 39-58); a system manager, (Col. 10, lines 50-52); a diagnostic application, (Col. 8, lines 51-54); an intelligent maintenance panel, (Col. 8, lines 39-58); a log manager, (Col. 9, lines 49-52 and Col. 11, lines 21-24); an installation framework, (Col. 8, lines 5-38); and a configuration framework, (Col. 8, lines 5-38);

Starting the requested process by the process controller; performing at least one pre-defined transaction terminal function by the started process, (Col. 19, lines 47-57); and if a command to shutdown is received, coordinating an orderly shutdown of the transaction terminal by the process controller, (Col. 8, lines 5-48).

3. Regarding Claim 2 and 20, Zeanah discloses a method wherein receiving the request further comprises receiving the request from one of an integrated network control and an operator interface, (Col. 6, lines 39-67 and Col. 7, lines 1-8).

4. Regarding Claims 3, 21 and 36, Zeanah discloses a method wherein receiving the request further comprises receiving the request from the process controller coupled to the integrated network control coupled over a network, (Col. 6, lines 39-67; Col. 7, lines 1-8; and Col. 9, lines 28-48).

5. Regarding Claims 4, 19 and 37, Zeanah discloses a method wherein receiving the request further comprises receiving the request from the integrated network control and process controller coupled over the network to a plurality of self-service transaction terminals, (Abstract; Col. 6, lines 39-67; Col. 7, lines 1-8; and Col. 9, lines 28-48).

6. Regarding Claims 5, 22 and 38, Zeanah discloses a method wherein receiving the request further comprises receiving the request from the process controller coupled to the operator interface touchpoint consisting of one of a front screen of the transaction terminal, a personal computer on a network, a video screen and a personal data assistant, (Col. 5, lines 46-60 and Col. 9, lines 28-48).

7. Regarding Claims 6 and 23, Zeanah discloses a method wherein starting the requested process by the process controller further comprises at least one of monitoring the process by the process controller, restarting the requested process by the process controller, rebooting a transaction terminal system by the process controller, and maintaining a registry of the started process by the process controller, (Col. 10, lines 31-67 and Col. 11, lines 1-26).

8. Therefore, this reference may reasonably be read to teach or describe every element or claim limitation of Claims 1-6, 18-20, 21-23, and 35-38.

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 7, 8, 10-17, 24, 25 and 27-34 are rejected under 35 U.S.C. 103(a) as being unpatentable in further consideration of US Patent 5,933,816 to Zeanah. Zeanah is relied upon for the teachings as discussed above relative to Claims 1-6, 18-20, 21-23, and 35-38.

11. Zeanah discloses a method wherein the started process comprises:

- a. the system monitor, (per pending Claims 7 and 24);
- b. the audio application, (per pending Claims 8 and 25);
- c. the session manager, (per pending Claims 10 and 27);

Art Unit: 2143

- d. the device manager, (per pending Claims 11 and 28);
 - e. the system manager, (per pending Claims 12 and 29);
 - f. the diagnostics application, (per pending Claims 13 and 30);
 - g. the intelligent maintenance panel, (per pending Claims 14 and 31);
 - h. the log manager, (per pending Claims 15 and 32);
 - i. the installation framework, (per pending Claims 16 and 33); and
 - j. the configuration framework, (per pending Claims 17 and 34).
12. In direct respective correlation to 11(a-j) above, Zeanah does not specifically disclose or describe a particular means for performing the obvious general functions enumerated below:
- a. blanking a screen display; unblanking a screen display; resetting a hardware watchdog timer; resetting a hardware watchdog timeout value; and sending a system reset notification to an integrated network control.
 - b. controlling routing of an audio amplifier output; controlling an audio amplifier board; and diagnostic testing of the amplifier board.
 - c. bringing up a browser; coordinating one of a customer session, an operator session and a hardware diagnostics session; supporting one of a transaction terminal start function and a transactional terminal stop function; displaying an out-of-service transaction terminal screen; recovering from an out-of-service condition of the transaction terminal; reporting pre-selected transaction terminal status information; reporting one of an out-of-service and back-in-service condition of the transaction

- terminal; and reporting a state of the transaction terminal as one of in use, idle, diagnostics running, and back administration utility running.
- d. coordinating and allocating one of a cash dispensing module, a depositor, a dynamic reader, a touchscreen, a printer, a switch, and an indicator.
 - e. transaction terminal status monitoring; inquiry and control commands; file transfer and remote command execution; software distribution; remote peruse; log upload; auto configuration; load balancing support; device MIS; customer MIS; and time synchronization.
 - f. executing diagnostics requests; communicating with a physical device handler; diagnostic testing of a peripheral device; and providing a list of devices to a client.
 - g. obtaining status of one of a session and a device; performing one of a shutdown and a reboot through an operator request; performing an operator interface log on via an operator selection; allowing a service mode entry; and requesting a diagnostic test.
 - h. maintaining a business log and maintaining a runtime log.
 - i. distribution of software release packages; activation of software release packages; cutover of software release packages; fallback to a previously running version of software; backing out of a last distributed software release package; and reinstalling a previous software version.
 - j. installing and configuring software and configuring the transaction terminal.

13. The performance of the functionalities particularly enumerated above in 12(a-j) as they respectively relate to the system processes of 11(a-j) would have been obvious to one of ordinary skill in this art at the time of invention by applicant as noted upon further consideration of Zeanah ('816). The motivation for the same is also respectively enumerated below as follows:
- a. the monitoring of system components including maintaining a record of instrument status and a notification functionality in the event that a threshold is crossed, (Col. 10, lines 20-67 and Col. 11, lines 1-11).
 - b. the inclusion of an audio generator wherein output would necessarily require adjustment per preference as well as maintenance, (Col. 9, line 16).
 - c. the management of all sessions and session resources internal and external to the system including creation, maintenance and termination of sessions as needed, (Col. 18, lines 40-767 and Col. 11, lines 1-35).
 - d. a device handler component which provides a generic device management interface and a specific service interface, (Col. 8, lines 5-38) and a delivery system not limited to any type of peripheral device, (Col. 9, lines 7-26).
 - e. a system management agent comprising a management protocol agent, a command dispatch agent, and a status management agent which collectively receive, translate, dispatch and monitor requests for actions or status, (Col. 10, lines 50-67 and Col. 11, lines 1-11).

- f. evaluation of customer usage versus diagnostics and determination of availability and capability of devices for client use, (Col. 8, lines 39-67 and Col. 9, lines 1-6).
 - g. a device handler which maintains session and device status, coordinates shutdown and diagnostic evaluations, (Col. 8, lines 5-67 and Col. 9, lines 1-6).
 - h. a logger component responsible for maintenance of log files, (Col. 9, lines 49-52).
 - i. application services which include routing of requests and determination of interface need per specific device, (Col. 8, lines 5-67 and Col. 9, lines 1-6).
 - j. a peripheral device service set responsible for handling application requests for peripheral device services and for managing the software components that handle such requests, (Col. 7, lines 61-67; Col. 8, lines 1-67; and Col. 9, lines 1-26).
14. Thus, Claims 7, 8, 10-17, 24, 25 and 27-34 are unpatentable over further consideration of the teachings of Zeanah.
15. Claims 9 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 5,933,816 to Zeanah in view of US Patent 5,589,855 to Blumstein. Zeanah is relied upon for the teachings as discussed above relative to Claims 1-6, 18-20, 21-23, and 35-38. Zeanah discloses a process which comprises a screen reader application, however, Zeanah does not specifically disclose performing the pre-defined transaction

Art Unit: 2143

terminal function further comprising performing a screen reader application function selected from a group of screen reader application functions consisting of converting text-to-speech and providing a screen layout with navigation selections exclusively by touchscreen, (as required by pending Claims 9 and 26).

16. Blumstein ('855) discloses a visually impaired customer activated terminal method and system that incorporates the use of touchscreen technology, (Abstract; Col. 1, lines 53-67; and Col. 2, lines 1-36).

17. The incorporation of the specific touchscreen technology from Blumstein into the Zeanah financial services device would have been obvious to one of ordinary skill in this art at the time of invention by applicant. The motivation is noted by the mention of a touchscreen peripheral device in the Zeanah patent, (Col. 9, line 12).

18. Thus, Claims 9 and 26 are unpatentable over the combined teachings of Zeanah in view of Blumstein.

Conclusion

19. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US PATENT 5,616,901 to Crandall;

US PATENT 5,850,442 to Muftic; and

"Operating System Concepts", by, Abraham Silberschatz and Peter Galvin, 1994, Addison-Wesley Publishing Company, Fourth Edition.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Arrienne M. Lezak whose telephone number is (703)-305-0717. The examiner can normally be reached on M-F 8:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on (703)-308-5221. The fax phone number for the organization where this application or proceeding is assigned is (703)-305-3718.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-6121.

Arrienne M. Lezak
Examiner
Art Unit 2143

AML



DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100